

Title (en)
ROTARY CONNECTOR AND METHOD FOR ASSEMBLING SAME

Title (de)
DREHVERBINDER UND VERFAHREN ZU SEINER MONTAGE

Title (fr)
CONNECTEUR ROTATIF ET SON PROCÉDÉ D'ASSEMBLAGE

Publication
EP 3675294 A1 20200701 (EN)

Application
EP 18848442 A 20180424

Priority
• JP 2017159703 A 20170822
• JP 2018016650 W 20180424

Abstract (en)
A rotary connector according to one embodiment includes a fixed housing having an outer cylindrical section, a movable housing, having an inner cylindrical section, and rotatably connected to the fixed housing, a main cable accommodated inside an annular space formed between the outer cylindrical section and the inner cylindrical section, a sub cable having one end connected to one end of the main cable and the other end connected to an external terminal, and a lead block having a first block, to which the one end of the main cable and the one end of the sub cable are fixed, and a second block, which is fixed at an arrangement angle crossing an angle at which the first block is arranged, and to which the other end of the sub cable and the external terminal are fixed.

IPC 8 full level
H01R 35/04 (2006.01); **H01R 43/00** (2006.01)

CPC (source: EP US)
B60R 16/027 (2013.01 - EP US); **H01B 7/04** (2013.01 - US); **H01R 13/502** (2013.01 - EP); **H01R 35/025** (2013.01 - EP US); **H01R 35/04** (2013.01 - EP US); **H01R 43/00** (2013.01 - EP); **H01R 43/20** (2013.01 - US); **H05K 1/028** (2013.01 - US); **H05K 1/0281** (2013.01 - EP); **H05K 1/147** (2013.01 - EP); **H05K 3/361** (2013.01 - EP); **H05K 3/363** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP US); **H05K 1/028** (2013.01 - EP); **H05K 2201/058** (2013.01 - EP); **H05K 2201/10189** (2013.01 - EP); **H05K 2201/2009** (2013.01 - EP); **H05K 2203/0178** (2013.01 - EP); **H05K 2203/0278** (2013.01 - EP); **H05K 2203/167** (2013.01 - EP)

Cited by
WO2024126149A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 10651617 B1 20200512; **US 2020161819 A1 20200521**; CN 110998992 A 20200410; CN 110998992 B 20210831; EP 3675294 A1 20200701; EP 3675294 A4 20210414; EP 3675294 B1 20221102; JP 6823726 B2 20210203; JP WO2019038992 A1 20200716; WO 2019038992 A1 20190228

DOCDB simple family (application)
US 202016752808 A 20200127; CN 201880053193 A 20180424; EP 18848442 A 20180424; JP 2018016650 W 20180424; JP 2019537915 A 20180424